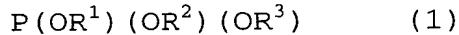


ABSTRACT OF THE DISCLOSURE

A method for producing an allyl compound having a compositional formula different from that of an allyl starting material compound, which comprises reacting the 5 allyl starting material compound with an oxygen nucleophilic agent having a structure different from that of the allyl starting material compound in the presence of a catalyst containing at least one transition metal compound containing a transition metal selected from the 10 group consisting of transition metals belonging to Group 8 to Group 10 of the Periodic Table and a monodentate phosphite compound having a structure of the following formula (1):



15 wherein  $R^1$ ,  $R^2$  and  $R^3$  are respectively independently an alkyl group which may have a substituent, carbon chains of  $R^1$ ,  $R^2$  and  $R^3$  may have at least one carbon-carbon double bond or triple bond, and at least two optional groups of  $R^1$ ,  $R^2$  and  $R^3$  may bond to each other to form at 20 least one cyclic structure.